SEAMEN'S 3 Meman M. Redfield Colouter of the District of New York, do hereby Certify, that - Mances years, or thereasouts, of the height AMERICAN SEAMAN, aged inches, Asur hair, Algo & complexion, of 5 feet, 10 has this day produced to me proof in the manner directed by the Hot intitled "An Art for the Relief and Protection of American Seamen;" and pursuant to the said Hot, I do hereby Certify, that the said -CITIZEN OF THE UNITED STATES OF AMERICA. In Mitness whereof, I have hereunto set my Rand and Peal of office, Collector. Collins, Bowne & Co. 174 and 176 Pearl Street.

Both New 10 1/33
bups of E. ots;

bups of E. ots;

Armed pun Cope a. b. ou; Mach, to Dail the 22 net also Copy of your of in M. orleans, Arg. Ifon are hove a fair passage over trutt, han valled a gam' since you lift and an now 3/4 to develore thingh the agamen thipping. He think you Had better go dunthe, to a cotter from us to the contrary or Senething of advantage to the Bout Shorter flum nh. It you win han

grow dispolch to a to go ann in good Leaser for a spring fright. I'mbe often from Respectfully II. V. Mose Hom Mary Company of the Company and the same and the Lach Bure of the Miller of against the them the them were are and there is a sept his on collect will be press to fire courses, course Commence of the second of the AND THE WAR AND THE TAXABLE

672.238.1.5 PORTAGE BIH of the Geo. Ellis & Brother, Stationers and Printers. 82 Camp St. New Orleans. ADVANC DURATION OF TOTAL NAMES. RATE STATION. ENTERED. DISCHARGED. SERVICE. AMOUNT OF OF WAGES. Box Mos. Days. WAGES. Aug 173 Febry 28 John Kenny 2 6211 3/11/1 Peter Burns A. Mastensen 311 311 der Hacobsen Ho, G Tollars in 31 Huy 16 Worl Front James Oweny Dan O'Miel 311 1111 Cod Casmann 13/11/1 3.0 1111 11111 46 1111

672.238.1.4 Capitain & Otis \_\_\_ from \_ Charleston \_ to Liverpool. FREIGHT LIST of the \_\_\_\_ ROSS, SKOLFIELD & CO., 9, Chapel Street, Liverpool. Consignees of Cargo. Rate. Cargo. Weight. Freight. Primage. Interest. Nett Total. Given and Bradyl 370 11 10 7 3 4 5 238 19 132 161020 230 12 10 I. IN Littledale 16. 300 9 2 4 2 9 10 190 . 4 128009 1836 10 Bryson Cooper 16: 206 88289 136 9 1 6 6 6 1 15 10 130 19 9 40 16773 24. Logers and Calder 45 .18.126 88 16 10 28. 18480 33 13 9 Dags , Gruning and 6:0 104.572118 11162 20 6 11 Afm Bower How 46 19 20 35 12 9 19544 Stead Brothers 26 16 10 9 Rathbone Bros 16: 25498 4699 961 Bales Total . -243 Bags Bigland Sons, Heffrey 2200 534 12 7 If Bennett 1 500 Richard J. Olard 300 Total 3000 . Farmorth Gardine 4800 Pièces, M. O. Charles 35/ po 1200 727:109 6 x 0. 6. 12 august 1898 ROSS, SKILLELD & Co.

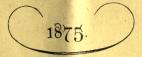
672.238.1,9 Charleton Us Jutudy that they were offend to, for mine bar of you cannot get it take light The han Cloud for Eight fin hundred canh, He than der a Papali Som as her ger the partie wans and you will sett up and ger away as lon. as you can ofthe you ger settled up In the Mean time Kup all expenses as low as Hossible and Dan all Jon can then how be gut a

but to Come out of the fared, Lev 4. Know by letyrofth of an, Information wanted. Kup all express as for a fossible and make but hade you can about of the oake\_IN Can ger the B. Jale Stat-Carl Harden Hard Harden Liter of the first The the state of the state of After up the the state the May dely to prove the time of Care die la la la die die

0 672,238,1,8 The stores aboad sell thembat and go with the sale of Back gun can lakel gun guns out if Jour with Both May 9th 1879 Charleten Dripui, the have bun delayed the gattery the paper ancester of as we forma that thew had bun a new regenter tatten out in hew fork when your bother bought a spart, of his and we We willen to day the Book and also Certificate from Burlow House her that then are no ben's or mistage on this property and also arbestedt of the brobste Court as to the ladminutation on the Estate of mr W. M. Moses which we think is all that

is nicesan, My Thuther hnote to that on become the long delay of the Kenn on Charleston they though make Mr Change for Commission Miles we there a bulley to allow them this up with them. bandofferd Much at such a price. The want for to harry who the Settlement and get back & Soon as you can If to know a Sow a the thing is stilled to that we can Stop insurance he want for to have Jour bills all ceady as he went to Clare who the Kinos ofe as Som as we can. you will judy what belong to the Buch in the Jale. Jour Respublich

672.238.1.7 Bath may 16/79 Charleston seed ales on pash they the poper of grind and the arbitecte datece that the Clertin House anitted in the from for the mail for hifl find atheote of the being my fein for other claim also Portote fred and artifical fewer of atterner, In an the vessel. However the and is I made and he his how Stand about them, he know the price is low to you state but the supposed for and Miss that wasted do the but you could for our intent If for from intimated to as the ten was a prospect of getting men or that we would do Otter by weeting Mould have done to. In hope non that for can get Stilled up immediately. Hean let be know as four as weyther, is fixed up and Joh han the pay for her Expense au purining in all the from. Joen Kerpickfuly W. W. Mobe Hom



## BUCKLEY & MERRITT,

DEALERS IN

# Ship Fixtures, Pumps, &c.

Capstans, Windlasses, Steerers, Winches, Steering
Wheels, Iron and Brass, Lift and Force, Main and
Deck Pumps, Steel Amalgam Bells, Rubber,
Leather and Suction Hose, Belting,
Packing Gaskets, Coupling
Pipes, Wrenches, &c.,

AGENTS FOR

RUMSEY & CO'S,

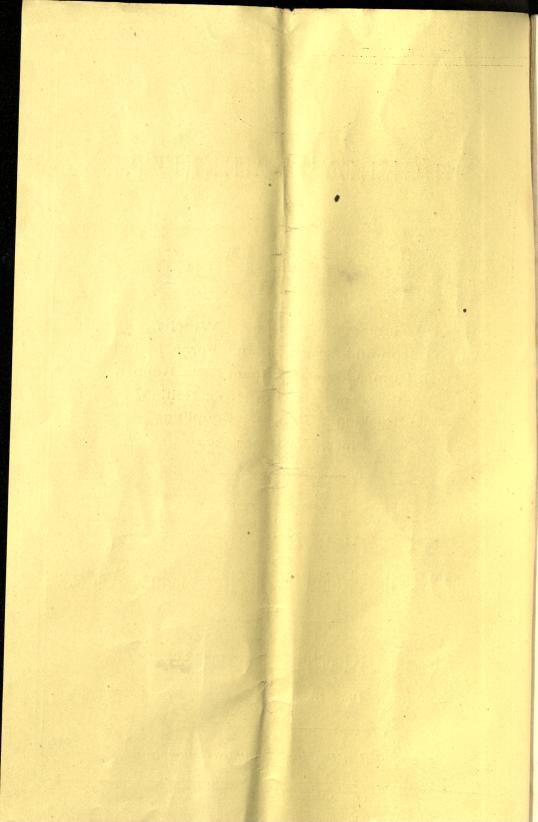
Seneca Falls, Pump and Fire Engine Works.

156 South Street,

Between Peck Slip & Dover St.,

New York.

Special attention given to Repairing.



# EAGLE SHIP PUMP.

For Pumping Out the Bilge of Vessels,

PATENTED AUG. 18, 1874.

PATENTED AUG. 18, 1874.

Radian Believe of Augusta Sanda in the Bilge of Vessels.

The Bilge of Vessels in the Bilge of Vessels in the Bilge of Vessels.

To vessel and ship owners of this and other countries, who have for years felt the want of a Bilge Pump constructed in such a manner that its parts, when taken separately or combined could be easily understood and operated. The great demand for Pumps used on vessels and ships has brought into use many a worthless pump, and hundreds now non-existing, made not only through ignorance of mechanical proportion, but in such a frail, loose and unworkman like manner that they were virtually condemned the first day of their practical existence. The Pump above illustrated and described, we will stake our reputation on as manufacturers of pumps for the past thirty years, and we believe them to be the best and most thoroughly substantial Bilge Pump made.

The upper and lower boxes are made of brass. The drop bucket, or lower box, is incased in a brass chamber, or reservoir, thus preventing rusting, and always primed.

The lugs and bolt holes on the cylinder and upper section of the pump are so arrranged that the spout piece can be changed, or reversed, so that the water can be discharged on either side of the pump,

The base of the pump has a broad surface, and when bolted to the deck of the vessel remains firmly in its place while being worked

By removing the king pin which holds the lever in its place, both plungers, or working boxes, can be lifted out of the cylinders, and by inserting the hand or an iron hook into the cylinders the lower valve, or drop box, can be removed and put back in its place without difficulty.

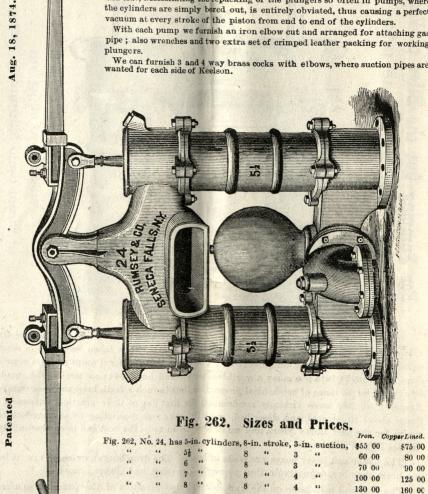
There are brass plugs, or screws, in the bed plate under each cylinder; also in the elbows of the suction pipe for admitting air, so the water can pass out of the bell plate and suction pipe to prevent freezing.

The upper part of each cylinder has a recess in which is inserted a cushioned Rubber Buffer, to relieve the concussion of the levers on the down stroke. This improvement will take with the Jolly Sailor.

The cylinders are bored and polished internally with a patent machine of our own invention, which is used by no other pump manufacturer in the United States, and whereby not only a great amount of friction is saved, but the wear and tear, necessitating the repacking of the plungers so often in pumps, where the cylinders are simply bored out, is entirely obviated, thus causing a perfect vacuum at every stroke of the piston from end to end of the cylinders.

With each pump we furnish an iron elbow cut and arranged for attaching gas pipe; also wrenches and two extra set of crimped leather packing for working

We can furnish 3 and 4 way brass cocks with elbows, where suction pipes are wanted for each side of Keelson.



Pumps can be arranged with extension brakes, to be worked by two, four or six men, at an extra price of \$5.00.

Cocks,

2 2

2

...... 30 00

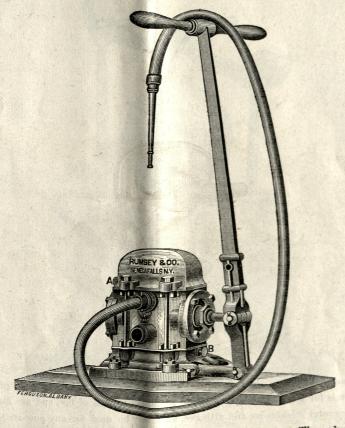
way cock, 3-inch suction, 2 elbows

#### NEW STYLE

## Horizontal Double-Acting Ship Pump,

For Washing off Decks, Wetting Sails, Extinguishing Fires, &c.

Figure 275.

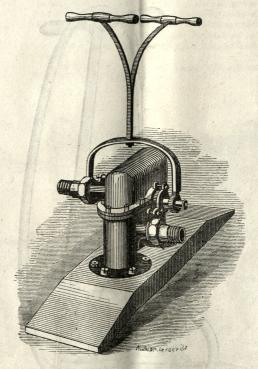


The above cut represents a Horizontal Double Acting Ship Pump. The cylinders are copper lined. The piston rod, valves and valve seats are made of bronze or gun metal. There are brass screws or plugs, for letting out the water to prevent freezing; also to prime the pump when necessary. By removing the brass nuts at the top of the four connecting rods, the air chamber and pump cylinder can be taken from the bed piece, thus giving free access to the upper and lower set of valves. By the principle of atmospheric pressure in connection with the large air chamber, water can be thrown by the power of one or two men, through a §-inch nozzle, from 60 to 80 feet horizontally; thus not only making a first-rate suction and lift pump, but a reliable fire engine.

No. 34, 4-in. bore, 5-in stroke, 1½-in. suction.	1 <del>1</del> -in	discharge
" 34 6 " 5 " 91 "	11	

# Double-Action

# BRASS FORCE PUMP.



Double action Engine Pumps, with two chambers, designed to be used principally on board of vessels for washing decks, wetting sails, and in case of fire, and are also admirably adapted to country residences and villages, and may be used for any purpose to which any other pump can be applied, either in the ordinary way, or for deep wells. They can be worked by hand, horse or steam power, and for simplicity and compactness cannot be excelled. They are capable of discharging from twenty-five to one hundred and twenty gallons of water per minute, according to the size of the pump, and number of strokes given.

Every part excepting the brakes, is of the best Brass.

No.	Diameter of Cylinder.	f	Diameter of Suction Hose	f e.	L	Dian eadi	meter of ing Hose.	Pric	ce.
17	2½-inch		11 inch		1	or	14-inch	 \$31	50
18	. 3		11/2		11	"	11/2	 53	50
$18\frac{1}{2}$	31/2		13					 75	00
19	. 4							 88	00
20	6		3		21	"	3	 140	00

# Double-Acting Force Pump

For Steamboats, Factories, Private Dwellings, &c.



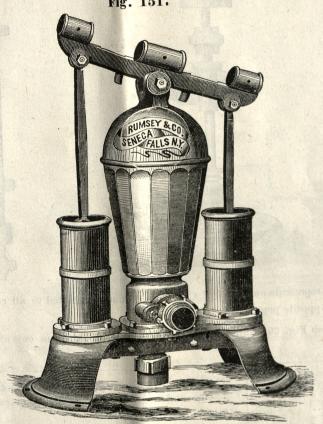


Fig. 151 represents our Double Cylinder Force Pump, constructed for use on board of Steamboats, Ships, and for Fire Purposes generally, where a cheap and reliable Pump is needed. Those who have buildings worth protecting should have one of these Pumps. They also make a first-class Tank Pump. Ordinarily we make them of Iron, but when a better class of Pump is required, we make the Cylinders of Brass. We make four sizes, as follows:

		s	izes and P	rices.			11	1.1.00	(00)	\$35	00
Fig. 151,	No. 12,	IRON CYLINDERS,		for pipes,	$\frac{1\frac{1}{2}}{2}$	8	15	cambre		40	00
"	"	-523	4 "		21			"		55	00
"	"	The All English	5 "		3			"			
" Fig. 151	No. 12	"BRASS CYLINDERS.	6 "	"	13			"	in keepen een		00
"	"	"	4 "	"	2				MARK!		
"	"	"	5 "	"	2½ 3	8			111,000		

3 & 3

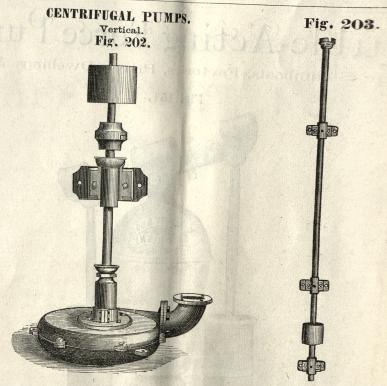


Fig. 202 represents our Vertical Centrifugal Pumps, adapted to all conditions mentioned on opposite page.

We furnish Fig. 201 and Fig. 202 all complete as shown in cuts at prices named below.

	Size of Discharge Pipe.	Capacity per minute.	Diameter of Pulley.	Face of Pulley.	THE COURSE WAS	er to 1	Differe	nt Hei	ghts.	per Mi	nute	ischar	ge Pip ary to	oe; al
No.	BSRL 10	0.5897	2 6	3011	CHA T	RE	VOLU.	TION	S PER	MINI	UTE.		PRI	ICES.
-		Gal.	In.	In.	6ft.	8ft.	10ft.	12ft.	15ft.	20ft.	25ft.	30ft.	Iron	Bras
2 3 4 5 6 7 8 9	1½ 2 2½ 3 4 6 7 8	$ \begin{array}{c} 100 \\ 350 \\ 500 \\ 700 \\ 1000 \\ 2500 \\ 3000 \\ 4000 \end{array} $	4 5 6 6 7 10 10 12	3 4 5 5 7 <sup>1</sup> / <sub>2</sub> 8 9 10	500 400 350 300 250 200 200 180	625 450 400 350 300 250 250 235	750 500 450 400 350 300 300 280	775 550 500 450 400 350 350 380	925 650 600 550 500 400 400 375	1200 800 750 700 650 475 475 440	1300 900 850 775 700 550 550 510	1700 1100 1000 925 850 650 650 600	\$24 55 65 75 100 150 200 240	\$48 98 140

By INCREASING the SPEED above laid down, in any giving instance, the Pump will discharge More water, or raise it HIGHER.

Fig. 203 represents Extra Shafting, which we furnish to order at an extra charge,

## CENTRIFUGAL PUMPS,

Horizontal.

Fig. 200.



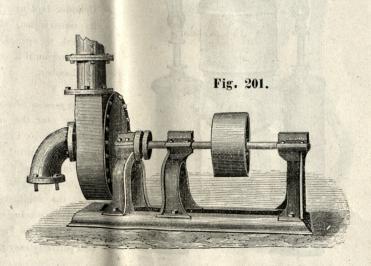


Fig. 201 represents our Horizontal Centrifugal Pump. Particularly adapted for Tanneries, Paper Mills, Distilleries, Breweries, Dry Docks, Coffer Dams, Steam Ships and all Works where large quantities of Coarse Material Grit or Sand are to be raised.

These Pumps are found to have no equal where large quantities of Coarse Material, Grit or Sand are to be raised. They have had the most sudden and permanent introduction—and are to be worth millions of dollars to the manufacturers of the country. Numbers of Tanneries, Paper Makers, and others using them, say that to be offered ten times their cost would be no temptation, if they could not replace them with the same kind.

For Capacity, Prices, &c., see opposite page.

Fig. 200 represents Suction Pipe with Elbew and Foot Valve, which we furnish when ordered at an extra charge. The Foot Valve should always be used with Suction Pipe on all Centrifugal Pumps.

#### TWO CYLINDER CLOSE TOP FORCE PUMP.

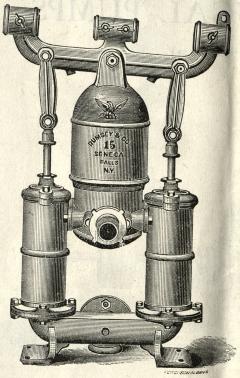


Fig. 261.

They are made with Brass cased Piston Rods, Brass Plungers, Valves, and Stuffing Boxes.

The Valve at the bottom of the Cylinder is double, and entirely new in its construction, and can be readily tripped, or opened, by pressing down the Lever until it strikes the top of the air chamber.

The peculiar advantage of this Double Valve over the ordinary one is, that with the Single Valve the pressure of the column is so great as to make it difficult (and in Pumps of large size nearly impossible) to trip it; yet by this arrangement the additional leverage here obtained by placing a small Valve in the top of the Main Valve, renders that process perfectly easy and always certain.

30 to 40

60 to 70

By simply turning the cock at the bottom of the Air chamber, and tripping the small Valve at the bottom of the Cylinder, the water in the Pump is at once discharged, thus entirely preventing the Pump from freezing.

This Pump is simple in its construction, not liable to get out of order, and by the directness of its action, and consequent freedom from friction, is a most efficient and powerful Pump. As an Anti-freezing Suction and Force Pump, it has no equal.

We also make them with Brass Cylinders, and the entire working portions of the Pump of the same material, when so ordered.

#### Sizes and Prices.

$\frac{4}{5}$ " $\frac{6\frac{1}{2}}{5}$ " $\frac{2\frac{1}{2}}{5}$ " $\frac{1}{2}$ " 55 00	\$60 00 80 00
	00 00
3 " 2 " 70 00	95 00
. 6 " 7 " 31 " 01 "	155 00
And with 40 revolutions per minute the six a	
And with 40 revolutions per minute, the 3-inch bore will discharge 20 to 30 g	allons.
" 35 " " 4 " " 25 to 35	"

Can increase the quantity of water by running at a faster rate of speed. With folding Brakes, for six or eight men, extra, \$20.00.

30

# CLOSE TOP CISTERN PUMP. Fig. 100.

#### PITCHER SPOUT PUMP. Fig. 103

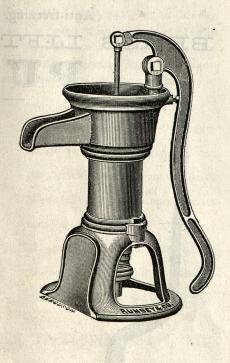


Fig. 100 represents our entirely New Style Iron Cistern Pumps, with brass Valve Seats and brass Tubes projecting, for attaching Lead, Gas and other pipe, as may be ordered. This Pump has a Water Chamber sufficiently large to retain the surplus water caused by fast pumping, and thereby obviates the possibility of running it over \*t the top, for which we hold the exclusive patent. The Fulcrum and Lever revolve, and can be adjusted to any position by simply turning the set-screw under the lever.

Sizes and Prices,

rig. 100	, No	. 0,	24	inch Calibre	e, suitable for	Pipe	1 1	inch	C	alibre.	each	 13	50
"	"	1,	$2\frac{1}{2}$	Santi dend	HE THERE	"	1			"		1	00
"		2,	23			"	1	or	11	***		 4	50
**		3,	3	•		11	11/4	or	11	"		 5	00
		4.	31			**	11	or	11			 5	50
		5,	31	4:	AND STREET, NO. OF STREET, STR		14	or	11	"	"	 0	50
		6.	33	"	"	"	11	or	2		.,	 0	00

Fig. 103 represents our Pitcher Spout Pump for Cisterns, with Patent Spring Valve and Revolving Fulcrum. By loosening the Set-screw under the lever, the Piston, or Upper Valve can be drawn out at the top, and by inserting the hand into the Cylinder, the Lower Valve may be reached, as it is held in place merely by a brass spring.

			Sizesand	Prices
		TO STATE STATE OF THE STATE OF		

F

ig.	105	A	No.	1,	21	inch Calibre,	suitable for	Pipe	1	or	11	inch	Calibre, each,\$4	25
				A, 6	)	66	66	"	11	"	11	"	" 4	
	"	"	"	3, 8	31	66	44							
			"			"			11	"	11			
	"	"	"	5,	41		"					"	10.0111	
						at Pump is sp	ecially adap	ted to	th	ie I	riv	en We	" 6	20

## COLEMAN'S

Anti-freezing, Double-acting

# BRASS LIFT AND FORCE PUMP.



#### PATENTEED JUNE 17, 1873.

In calling your attention to the Pump, represented by the above cut, we can confidently recommend it as being in all respects, the BEST handpump in the market.

1st. It is double-acting, and will do double the amount of work of any single-acting pump.

2d. The working of the pump is easy, the motion natural, and a child of ten years can pump as much water easily as a man can pump with the common hand-pump.

3d. It is most thoroughly made—all its parts being uniform and interchangeable.

4th. It is anti-freezing consequently can be placed in exposed positions without danger.

5th. It throws a continuous stream—the least motion of the handle, forward or back, at once setting it to work.

6th. With this pump water may be forced to any part of the house or stable with the greatest ease.

#### Directions for Emptying the Pump.

Unscrew the thumb-piece in the airchamber, then draw the handle back, then forward, thereby entirely lowering the plungers, opening the valves, and discharging all the water from the pump.

Diameter of Cylinder.

#### STEEL AMALGAM BELLS.

The bell is an ancient invention of the church to serve a deep need, and to this day no better substitute can be found for it. But all the people of any town have likewise an interest in owning a Church Bell. They need it for funerals and weddings, for days of rejoicing and for national celebrations. It may ring for fire, and prevent a conflagration. In short, a Church Bell is a possession and a treasure to the whole community in the midst of which it is placed.



It is important that the belfry should be as open as possible, that the sound may be unobstructed. Mere slatting or small openings are insufficient to secure the full volume of sound. The belfry should be floored above and below, and the side openings should extend to the floor.

#### FOR SCHOOL HOUSES, ACADEMIES, FACTORIES, SHOPS, ETC.

Sizes and Prices, with Wheel Hangings and Frame Complete.

Diameter of Bells.	Weight with Wheel Hangings and Frame Complete.	Cost of Bell an	d Hangings.
No. 625 inches	230 lbs		\$25 00
No. $6\frac{1}{2}$ 27 inches	340 lbs.		36 00
No. 730 inches	490 lbs		50 00

#### Church Bells.

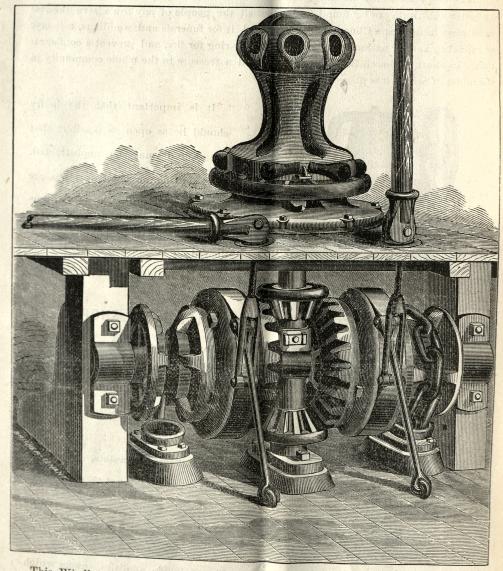
#### Sizes and Prices, with Wheel Hangings and Frame Complete.

	Diameter of Bells.	Weight of Bell with Standard.	Cost of Bell and Hangings.
No.	834 inches	730 lbs	\$75 00
No.	938 inches	925 lbs	130 00
No.	1042 inches	1200 lbs	175 00
No.	1145 inches	1475 lbs	225 00

These Bells being an alloy of cast steel, combine valuable qualities, among which are tone, strength, sonorousness and durability of vibration, uneaqualed by any other manufacturer, and costing less than any other in the market.

We are the original manufacturers of Steel Amalgam Bells, and the world-wide reputation they have acquired has induced other parties to adopt a similar name, to enable them to dispose of an inferior article, relying solely on the merits of the name.

# UNION POWER WINDLASS.

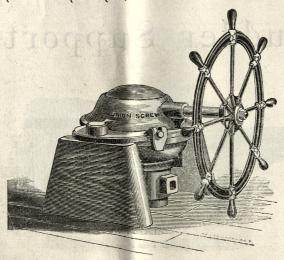


This Windlass has a Power Capstan for both combined and independent use. Two Superior Elastic Chain-Stoppers. Two frictions applicable to either cable, and operated by capstan bars. End Barrels and Gear to apply steam power, furnished to order.

Including the best Power Capstan in use and a superior Elastic Chain Stopper.

11-16 1 51	zes of Chains	or of large	Chain if two	sizes are us	sed.	
\$356 \$427	4 1 5-16 or 1 3-8 \$480	17-16 or 11- \$570	1 9-13 or 1 5-8 \$640	\$715	1 13-16 or 1 7-8 \$860	1 15-16 or 2 \$920

## The Union Screw Steerer.



One Hundred in successful use the first year.

It is without exception the most compact, the strongest, and safest of all Screw-Steerers yet brought into use. It has the important quality, long sought but never before practically secured, viz.: that of holding the rudder at every point of its movement. The wheel may be left free at any point, and will not turn back by any surge or force acting upon the rudder.

The rudder, though prevented from acting upon the wheel, acts upon the springcushions which effectually protect it from all ordinary danger of being "carried away."

The Steerer works easily, the screws running in oil unless neglected.

It is free from danger of injury by the grounding of the rudder; rising freely with it without injury to the parts.

The parts may all be examined and oiled while in operation. Price as low as any

other screw-steerer. The cost of setting is less than that of any other steerer.

In cases where space is very limited, they may be made to order with the wheel aft of the steerer, in which case the house may come within 12 to 18 inches of the centre of the rudder-stock, and the entire apparatus occupy but from 24 to 36 inches fore and aft.

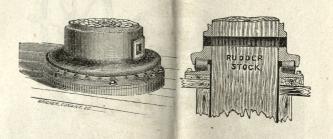
A good idea of the general appearance is given by the cut; the style is deemed superior to the best in use.

RUDDER HEAD.	WHEEL.	PRICE.
18 inches	60 inches	. \$220
17 "	54 "	. 200
16 "	54 "	. 190
15 "	54 "	1775
14 "	10	166
13 "	10 (1	150
12 "	10 "	140
11 "	10 44	190
10 "	42 "	190
9 "	42 ''	OF
· · · · · · · · · · · · · · · · · · ·	26 66	00
7 "	00 44	70
6 "	20 "	60
5 "	0.4	EO
4 "	10 "	10
21 "	10 "	40
21 4	10 "	30
2 "	10 "	30
91 4	10 "	
43	12 "	30

The Wheel Shaft may be ordered longer or shorter than the usual length, if ordered before making there will be no charge for less than Ten inches extra length.

#### PATENT UNION

# Rudder Supporter.



This Rudder Supporter is sold with the Union Screw Steerer at a low price. It is applicable to all kinds of steerers commonly used, and is believed to be much the best in use.

tend out one our two less and bendered and

Dia. of Rudder Stock		
18 and 19 inch	Price	3.
18 and 19 inch	each \$5	()
16 and 17 "	" 40	0
14 and 15 "		2
12 and 13 "		3
10 and 11 "		)
8 and 9 "	" 14	£
4 and 5 "		3
4 and 5 "	" 4	

When made and sold with the Union Screw Steerer, the parts are made together, and the cost thereby reduced as follows:—

18 and 19	inc	h		
16 and 17	"	h	each	\$31
14 and 15	"		"	26
12 and 13	"		. "	21
10 and 11	"	······		16
8 and 9			"	11
6 and 7	"		"	8
4 and 5	"		"	5
			"	3

# The Union Power Capstan.



#### Over Sixteen Hundred in successful use. Has no Rival.

By upwards of one thousand and six hundred specimens, has proved itself the most Reliable and Powerful, the Strongest, Safest, and most Durable—therefore the Cheapest and most Economical-of all the Power Capstans yet brought into use.

We have a large and improved list of nine regularly graded sizes, affording the best

assortment in this country to select from.

We guarantee them to be stronger and safer than any other Power Capstan of like

price, and affording like facilities.

These Capstans, whenever in an emergency it becomes necessary to overwork them, even to a breaking strain, do not endanger the lives or limbs of the men. In case of breaking any of the working parts under extraordinary strain, the lever head is left free; and though the line recoils, causing the backward rotation of the barrel never so violently, the men are safe.

It is but just that attention should be called to the fact that this is not the case with those Capstans in which the purchase is changed from fast to slow, by reversing the motion of the capstan bars. Abundant testimonials to the superiority of these Capstans will be exhibited, and their peculiar advantages explained, to any who are interested to

call and examine.

#### THE UNION POWER CAPSTANS.

#### PRICE LIST.

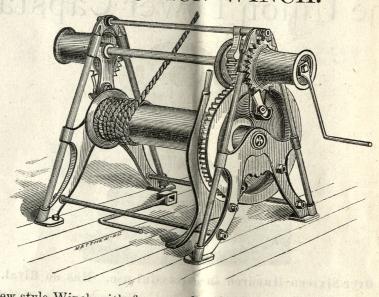
Size	No I.	No. 2.   \$47	No. 3.   \$55	No. 4.   \$65	No. 5.	No. 6.   \$97	No. 7. \$123	No. 8. \$146	No. 9. \$170	No. 10 \$195
Weight Diameter Barrel Height		260 lb. 7½ in. 24 ''	4 in. 350 lb. 8 in. 25½ " 20"		5½ in. 560 lb. 10 in. 29 " 25 "	6½ in. 660 lb. 11 in. 31½ " 27 "			12 in. 1,440 lb. 14 in. 38 " 35 "	15 in. 1,790 lb. 15 in. 42 " 37 "

Without Power Purchase.

SAME EXTERIOR AS THE ABOVE.

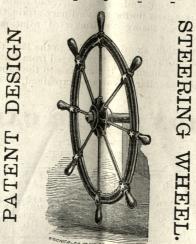
\$25 \$32 \$40 \$48 \$57 \$70 \$85 \$100 \$120

### THE UNION WINCH.



Is a new style Winch with frame made mainly of wrought iron on a new and attractive plan. It affords all the facilities of the best in the market while it is very neat, compact and strong. The lowering away facilities are under control of the foot or hand at pleasure. A similar winch is made to order for bitts, for which the distance between the bitts and their thickness athwart ships must be given.

PRICE, - - - - \$70



# Patent Design Steering Wheels.

These Wheels are of superior design and workmanship, and of nine different sizes, from 12 inches to 60 inches extreme diameter.

#### UNION BEAM.



Power variable by adjustment of hand levers and links, No pins or keys.

#### THE UNION BEAM.

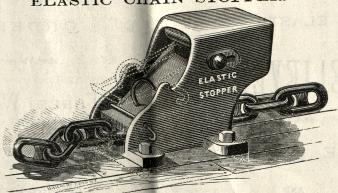
Is adapted to all Brake Windlasses, whether wooden or iron. It has the merit of strength, compactness and neatness. The power can be varied from a quick working beam to one of greatly increased power almost instantly, without the use of pins, keys or other loose parts. When power is wanted it is only necessary to release the levers by loosing the screw shown on top of the centre of the beam, and to draw the levers out to any length required inside the vessel's rail. The man may even stand inside the handles and work them close to the rail. The links connecting the beam with the primary levers of the windlass may be set nearer to or farther from the central fulcrum at pleasure by loosening a screw, by which means also the power may be still further varied. The beam can be set high or low, as the levers can be inserted to range low or high or at pleasure.

The Beam may be ordered with stand to bolt down to the deck, or with stand to bolt to the face of the Samson's post, as may be desired. Price low. Give the size of anchor

chain with orders.

# PRICES. Beam of suitable size for 1\frac{1}{5} inch, Chain-Cable and under - 33 1\frac{3}{5} " " - 28

#### ELASTIC CHAIN STOPPER.



#### The safest and most economical riding device yet invented.

Having had considerable experience in this class of goods, we think we hazard nothing in saying we have sacrificed neither strength or efficiency, but have combined both, with so moderate a price that it is a false economy for any vessel that has no Elastic Stopper to do without them.

#### PRICES-

No. 1 for  $\frac{3}{4}$  inch chain and under  $\frac{$22}{37}$  No. 3 for  $1\frac{1}{2}$  inch chain and under  $\frac{$55}{75}$  No charge when sent with Union Power Windlass.

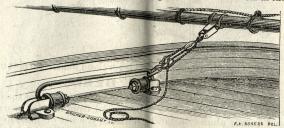
#### ELASTIC

# Sheet Travellers and Relievers,

FOR

Yachts, Schooners, &c.,

A superior article, and a matter of economy, the saving in wear and tear is far in excess of the cost.



This Traveller has been in use for several years with the best results.

It has been used on all sizes of vessels from the small yachts to the largest schooners.

All agree as to its being a substantial improvement.

All sizes are usually kept on hand, but when required of special lengths to be Galvanized, they are made to order. Orders should reach us two or three weeks before the article is required.

***************************************
***************************************
•••••

ELASTIC

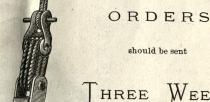
# RELIEVERS

FOR THE

WIRE SHROUDS

AND

Stays of Yachts,



before the

Relievers

are required.

The above Elastic Reliever has been used with good results, the past season, on several yachts.

These Relievers are made to order, for various purposes, as for bob-stays, &c.; for sheet blocks, travellers, &c.; for draft attachments for horses, &c.

#### Rubber Hose.

Conducting Hose-2 Ply.					Hydran	t Hose-3 P	ly.	
ernal Diameter.			Inter	nal Di	ameter.			
inch\$	17 per	foot.	1 i	nch		\$	20 p	er foot.
"	25		34	"			30	"
CC TRANSPORTER TO A CONTRACTOR OF THE REAL PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERT	29	"	7	"			35	66
a 100M	33	"	1°	"			40	46
"	42	.6	11		30 × 1 × 1		50	"
" The Box of the same was	50	"	11/2	SELENERA			60	.6
4.	58	"	184				70	66
	66	"	2				80	46
	75	"	21	"	• • • • • • • • • •		90	
				"			1 00	"
**	83	HEAT THE	$\frac{2\frac{1}{2}}{2}$					46
"	92	"	284				1 10	"
"	1 00	"	3	" .			1 20	
	E.	ngine H	TORA-	1 Plv				
		ngine 11			iameter.			
ternal Diameter.	25 ne	r foot.					R 87 T	er foo
inch\$	37 Pe	1 1000.	2				1 00	"
"	43		21	"			1 12	
		"		"			1 25	"
	50	44	$\frac{2\frac{1}{2}}{2}$	"			Total Control of the	"
	62	THE REAL PROPERTY.	23	EXPENSE:			1 37	
	75	"	3	"			1 50	NAME OF THE OWNER, WHEN

#### Steam Hose.

Made especially to order, of extra quality, for conducting steam. Prices 50 per cent. advance on ordinary standard Hose.

#### Suction Hose.

nternal Diameter.				ernal Diameter.		
4 inch\$	70 pe	r foot.	4	inch	\$5 80	per foot
* "		"	41	"	6 70	• •
1 "		"	5	"	7 60	"
1 "		"	51	"		
3 44		"	6	4.		
2 "		"	7	"		
21 "			8			
3 "			9	ű		
81 "		66	10		18 50	

We make the sizes larger than 2 inch on flat Galvanized spiral Coil.

#### Steam Packing.

${ m PE}$	R POUN	D.
Mixed or Fibrous Packing in sheets of all thicknesses, from 1-32 of an inch		
upward, about one yard wide, of any length required	\$	50
Thinner sizes of same—say 1-16 and less of an inch		60
Gum Packing, with Cloth Insertion, in sheets of all thicknesses, from 3-32 of		
an inch upward, about one yard wide, of any length required		55
Thinner sizes of same—say 1-16 of an inch and less		65
Pure Vulcanized Sheet Rubber	1	00
Extra Pure Vulcanized Rubber Valves	00 to 1	50
Special orders for any article that we do not keep on hand will be promptly execu	ted.	

#### Rubber Belting.

	2-	Ply.	
1 inch	7 per foot.	21 inch	17 per foot.
1 4 "		3 "	20 "
17 "	10 "	31 "	24 "
2 "	14 "	4 "	28 "

## Rubber Belting.

3-	-Ply.
2 inch\$ 17 per foot.	12 inch\$1 08 per foot.
3 " · · · · · · · · · · 26 " 4 " · · · · · · · · · · · · · · · · ·	13 " 1 18 "
4	14 " 1 28 "
6 "	15 " 1 38 "
7 " 60 ".	10 "
8 " 70 "	18 " 1 70 " 1 90 " "
9 " 80 "	22 " 2 12 "
10 " 90 "	24 " 2 36 "
11 " 1 00 "	
4	-Ply,
2 inch\$ 21 per foot.	1 12 inch \$1 30 per feet
3 "\ 31 "	12 inch
4 " 42 "	14 "
5 " 52 " 69 "	15 " 1 66 "
	16 "
7 "	1 20 2 02 "
9 " 95 "	20
10 " 1 07 "	94 "
11 " 1 18 "	24 " 2 80 "
	VG V
Oak Tanned L	eather Belting.
1 inch\$ 6	8 inch
11 " 9	9 "
13 10	10 " 1 14
9 "	11 " 1 26
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	19 //
$2\frac{1}{2}$ "	14 "
$2\frac{3}{4}$ "	15 " 162
3 30	16 "
$\frac{3\frac{1}{2}}{4}$	17 " 2 10
41 4	10 " 2 26
5 "	19 2 42
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	21 2 58
6 "	99 " " 74
$6\frac{1}{2}$ " 72	23 "
7 " 78	24 " 3 06 3 22
<b>D</b> (1	
나는 사람이 그렇게 되어 보다면 하는데 얼마나 있다는 사람들이 아름다면 살아왔다면 하는데 그런 사람들이 되는데 그런 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런데	oupling.
₹ inch	3 inch
11 "	8½ "
11 "	4 " 41 "
2 "	5 "
$2\frac{1}{2}$ "	6 " " " " " " " " " " " " " " " " " " "
99 a file mental a company	A STANDARD COMMISSION OF THE STANDARD OF THE S
Brass Hose Pip	es, Screw Tips.
§ inch	1½ inch
1, "	
11 "	21/2 "
	~
Lasthan Hosa Din	是一种,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
Leather Hose Pip	es, Brass Nozzles.
Leather Hose Pip 2½ inch	是一种,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
2 inch 2½ inch	es, Brass Nozzles.
2 inch 2½ inch Strain	es, Brass Nozzles. 2½ inch Extra
2 inch	es, Brass Nozzles.  2½ inch Extra  ers.  3½ inch
2 inch. 2½ inch. Strain 1½ inch. 2½ " 2 "	es, Brass Nozzles.  2½ inch Extra  B½ inch  4
2 inch. 2½ inch. Strain  1½ inch. 2½ " 2 " 2½ "	es, Brass Nozzles.  2½ inch Extra.  16rs.  3½ inch.  4 " 5 "
2 inch. 2½ inch. Strain 1½ inch. 2½ " 2 "	es, Brass Nozzles.  2½ inch Extra  16rs.  3½ inch  4 "  4½ "

COMPAND ME AND STANDARD TO SHOULD BE THE REST.

# BUCKLEY & MERRITT,

156 South Street,

New York,

DEALERS IN NEW AND SECOND HAND

# Fire Apparatus & Hose

## STEAM & HAND FIRE ENGINES,

HOOK & LADDER TRUCKS.

HOSE CARRIAGES, HOSE CARTS, HOOKS,

Axes, Picks, Crow Bars, Buckets,

SIGNALS, SIDE LIGHTS,

Lanterns, &c., &c.

Rubber, Leather & Suction Hose,

Repairing of Fire Apparatus & Hose a Specialty.

## Dis life keyond

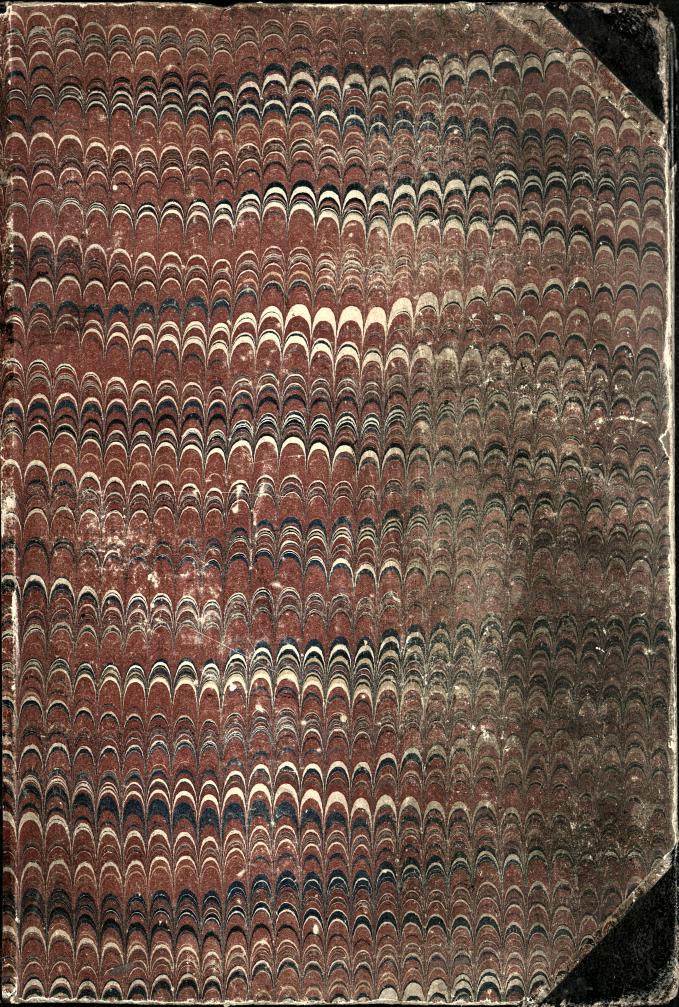
I watched a sail until it drapped from sight Over the rounding sea. a gleane of white, I last far-flashed farewell, and like a thought Slips put of mind, it vanished and was not.

So may it be, puchance, when down the tide Our dear ones vanish. Pracefully they glide. Our level seas, not mark the unknown bound. We call it death - to these tis life beyond.

author unknown.

Most of the other beautiful things in life some by two and threes, by dozens and hundreds. Plenty of roses, stare, sumets, sainlows, brother and sisters and conserve, but only one mather in the whole world.

Kate dauglas Niggins



G72.238.1,10 Second Mate Sick

20/600 days Dock Rome on the fra from New Orleans towards Lea- 50 lbs Capit & & Otis 35 gallons 2.00.7.36 10437 02.8141 9/=12=41

G72 15 - 9 3479/2 09 4 10437 4/34796 24833869 24833869 257/4,95 257/4,95 257/4,95 257/4,95 257/4,95 257/4,95 257/4,95 35-15-1 30 18/ 200 121 321 25 march April 30 may James 30 July = 24 66 = 6 = 30 = 6 29=33= 3 9=83=3 38=08=9 Ga/1/1(1=5) 30 2=02=1 29:53-3 31:35-4 12 1 Car 1 10 10 10 13 4 13 2000 2000 11 2000 1 1 2000 1

Back Rome lest New Orleans April 10 and left the Bar April 11:1874 for thronstadt 790, 35 Stors 5 late 425 790,35 1142 321 Advance to officers and over 1867,44 1828,44 Sunday refriences 1142 109 577,62 1867 = 44 454,94 29,0000 to Self 857,91 3000 1100 3000 1867, 44 1132,56 5-77 .. 62 554 "94 554, 94 2/577,62 48011 74 194 74.94 321 22094162 25,06 100,00 423-1132, 56 22094:62 5-77,62 480.1 23962,06 100 380 1867, 44 480,06 with one at Elis 454, 94 2376206 454.94 2900,00 23-2.89 554,94 454 94 7,33/1867,44(227, 700:00 1867 2014 73-14664 9335 13069

2 29/30:06:3 22/3/= 05=7 2630=36=0 29:33:3 29:34:4 31 27/30=37 30/30=07=4 23/3/=06=8 29:35:5 April 29:36:6mg / /30=08:3 24/8/=07= 28/30=38=2 29 30 = 39=3 2/30:09:0 29:37: 3 3 /30=10=> 30/30=40= 29:38:8 4 4/30:11=8 3//30=41=5 : 39.29 . 3-130=12=9 30/31:14:5 6/30=14:0 3/30=44=8 Inly 1731=15=6 7/30:13=1 8730:16:2 130-45=9 29:46:3 9/30=17:3 6730=48=1 11/30:19:5-7/80:49:2 12/30:20:4 8 30:50=3 15/29:50:9 13/30-21:7 30:51:4 16/29=5-2=0 9/31=24:4 17/29=5-3=1 18/29=64:2 15/30=23=9 11/80=53=6 16/30:25:0 19/29=55=3 13/30-55-8 18/30:27:2 15/30=3-8=0 17/31:33:3 21/80:30:3 18/3/:34:3 17/31:00:2 24/30:00:8 25/30=01=9 18731:01:8 26/30:03:0 19/3/:02: 20/5/:03:3 24/30-33:8 2/13/=04=6 25/30=34=9 28/30:05:2 130:06=3

8=43=27 2= 39=32= 46:51 8=48=42 8=45=3-6 2=39=20 47:02 05005 26:59 29:41 005-10 15:09:07 89.48 81=14 7/:52 9,33133 17:56 155=15 9=13=13 9.70654 5:33:06 77:37 8=49 19,09302 9=16=01 30=35 9,54651 26:39 30 add 88:16 Monday April 13: 1814 9= 05=16 5-15-2=31=57=45=58 9:10:31 2=46 46=09 2:31:45 =07=45-24:54 29=48 04237 89.48 80:52 00,554 80=52 75=01=33 9.38519 74000 9-8=14 15-1=5-3 9.69633 7 9=07=44 15-48 75:57 9:11 9:48 9,56471 15 add 9=26=55 April 14=, 1874 88,20 ( Inesday 5=15 2=31=22=46=25 = 32=10 2:46 2:31:10 46:36 04481 15=00=59 25,35 80=30 00600 80.30 8948 9.37341 73=41 9= 09=48 15-2-41 9.69545 5:51:01 76:07 19.11967 46:36 9=32 9=09=58 29:44 12=45 87=45

2=32=19=47=21 7,4 3,1 9=48=26 9=53=34 2 = 32:07 47=32 29-50 2=43 048.27 9=5-0:57 13=01=57 80-09 01645 16-4=12 9-14-24 = 19 9.348.79 9.69323 € 89 48 9=14=24 73:18 29=3419.09\$74 1630 11:45 26:24 86:33 14 Jul Bursday April 16= 1824 10=09:46 2= 28=22=472081 7.4 = 3,1 10:14=5-4 20=12=11 2 - 28 = 10 47=19 04884 29=3-2 14=3-8:02 89:48 00 692 79=48 89 48 2=12=36 -9.35-5-90 73=30 153047 6=53 9,69323 9,69323 2 9=12:50 5-: 43-: 26 16=18 10-15-9=12:36 26:33 9.5-3-244 28 Such 10 = 30 = 57 10:35:39 26=36-45:67 10:33=19 2 - 26 - 24 46:02 29=33 2534 04475 89 48 19:27 14 = 3-6=1 00740 9,39811 74=51 151=03 69212, 9=05=07 10 3 46-02 29:29 14238 9=04739 8 7=5-4 87:57

90,00 8:43 42 Sul 10=51=57 5--10 = 56 = 39 2=27=09 46=10 04/38 2=40 29-54 14=57=03 79:06 10:54:19 00791 9= 03=26 89-48 9,41488 5-= 5-3:37 76:04 74:56 9,68237 46=10 13=44 28=46 10:57 9-03=26 24:41 55. Sul April 19=1874= 11= 92: 46 5-=02 71=17=48 2=31=28 13-= 01 = 23 04524 25-42 89-48 00843 78345 9,37 133 1,4=26 9.67232 1 76-24 9=13=21 1 = 08 Such onday April 20 1874 11=33=25 4 = 5-5 8,6 26 86=3-2 11=38=20 2=29=37=48=37 2=36 1=35=44 89-48 48=48 75=03 29-56 26:23 14 = 5-9 = 18, 00896 78-24 9=16=16 9,35914 1/=38 9-13-13-3:35 9=15=08 76:47 8-48 9.5436 1=02 1874

6 92-16 77.44 1:21 Sub Quesdas April 21:1874: 11=53=52 11=5-8=47 2=21=09= 47=21 11:56:11 2:20:37 29=5-7 26=27 04802 9=08-54 78:04 89-48 78:04 00949 75-20 38317 3-2 = 03 74:28 5 = 4 2:23 9.67843 76=01 11-59 9=09=5-2 1:32 26=27 10 = 30 1:33 Aub 85:36 Mednesday April 22: 12=14=07 2=20=30=47=08 4-5-5 72:19:02 = 20=18 04487 29-5-8 25:36 77=44 01.003 9:05:52 89:48 9,40394 15-0:39 76=37 9.67/61 75=19 73:11 3 = = 44 = 24 9=07=25 18,13045 12-19 9,5-65-22 25-30 9=05=52 11=06 1: 45-Sub There 23: 1874 12=34=09 2-38-5-6 2=23=53=48=47 2:32 2 = 23 = 35 = 48 = 58 2:86:24 12 = 5-3 = 34 27:24 29-5-6 15-9 25:36 04609 89-48 01059 16=33 15-2:18 9,37909 9=14=41 76-09 9.65976 5 = 4 0 = 38 -25=54 =12:56 48:5-8 9,54776 27=11 10:09 85.02 ING

ida April 24, 1874 12=54=00 2=20=15=048=49 12:58:47 2=18=5-5 25:42 30:00 04524 89-48 7=04 14:49:55 01116 77:04 938721 77=04 9=12-6 12-49 9.655311 5=37=49 75=58 9=14=02 9.09892 25:43 =53 9,54946 9=12=06 2:07 Such Saturday April 25= 13=13=38= 4= 44 25=/1= 83=30 Long 13=18=22 13:18:31 26=1874 2=13=49=50=58 7.7 2,8 13=33=02 2=13:35 51=09 30-03 24=30 74=48=38 76-25 3-19=21 3-24=17 5-2-04 4=24 04098 13=37=26 01232 13:34=57 9,38266 962405 24:3.3 89 48 78=58 9=21=39 13:37 9.06001 2=18 9,53000 9:19:21 24-32 18-04 2:28 Such ronday April 27=1874 13=52=13 4=24 80=5-6 13:56 -37 2=00=05=49=17 2=2/ 13:34=10 39=53-49=28 31=4 34=36 04/32 89.48 01291 79=08 26=06 14=29=6 9,41063 10:40 9=13=36, 2-28 9=11=08 150=10 9.63588 13:57 49:28 24=39 9,10069 25:37 9,55034